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1600

RAW SEQUENCE LISTING

DATE: 11/13/2002

PATENT APPLICATION: US/09/904,011C

TIME: 15:40:47

#15

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Output Set: N:\CRF4\11132002\I904011C.raw

3 <110> APPLICANT: Genentech, Inc.  
4 Ashkenazi, Avi  
5 Botstein, David  
6 Desnoyers, Luc  
7 Eaton, Dan L.  
8 Ferrara, Napoleone  
9 Filvaroff, Ellen  
10 Fong, Sherman  
11 Gao, Wei-Qiang  
12 Gerber, Hanspeter  
13 Gerritsen, Mary E.  
14 Goddard, A.  
15 Godowski, Paul J.  
16 Grimaldi, Christopher J.  
17 Gurney, Austin L.  
18 Hillan, Kenneth, J.  
19 Kljavin, Ivar J.  
20 Mather, Jennie P.  
21 Pan, James  
22 Paoni, Nicholas F.  
23 Roy, Margaret Ann  
24 Stewart, Timothy A.  
25 Tumas, Daniel  
26 Williams, P. Mickey  
27 Wood, William, I.  
29 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
30 Acids Encoding the Same  
32 <130> FILE REFERENCE: 10466-14 (GNE.1618P2C8)  
34 <140> CURRENT APPLICATION NUMBER: 09/904,011C  
35 <141> CURRENT FILING DATE: 2001-07-11  
37 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
38 <151> PRIOR FILING DATE: 2000-02-22  
40 <150> PRIOR APPLICATION NUMBER: US 60/143,048  
41 <151> PRIOR FILING DATE: 1999-07-07  
43 <150> PRIOR APPLICATION NUMBER: US 60/145,698  
44 <151> PRIOR FILING DATE: 1999-07-26  
46 <150> PRIOR APPLICATION NUMBER: US 60/146,222  
47 <151> PRIOR FILING DATE: 1999-07-28  
49 <150> PRIOR APPLICATION NUMBER: PCT/US99/20594  
50 <151> PRIOR FILING DATE: 1999-09-08  
52 <150> PRIOR APPLICATION NUMBER: PCT/US99/20944  
53 <151> PRIOR FILING DATE: 1999-09-13  
55 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090

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## RAW SEQUENCE LISTING

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98 gacccacgcg tccggggccg agcagcacgg ccgcaggacc tggagctccg gctgcgtctt 120  
99 cccgcagcgc taccgcgccat gcgcctgccg cgcggggccg cgctggggct cctgccgctt 180  
100 ctgctgctgc tgcgcgccgc gccggaggcc gccagaagc cgacgcctcg ccaccggtgc 240  
101 cgggggctgg tggacaagtt taaccagggg atggtggaca ccgcaaagaa gaactttggc 300  
102 ggcgggaaca cggcttgga ggaagagacg ctgtccaagt acgagtccag cgagattcgc 360  
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104 gaggcgcagg aggagcacct ggaggcctgg tggctgcagc tgaagagcga atatcctgac 480  
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## RAW SEQUENCE LISTING

DATE: 11/13/2002

PATENT APPLICATION: US/09/904,011C

TIME: 15:40:47

Input Set : A:\CORRECTED SEQUENCE LISTING FROM GNE.P1618P2C8.txt

Output Set: N:\CRF4\11132002\I904011C.raw

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121 aaaaaaaaaa aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
122 gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca tcacaaattt 1560
123 cacaaataaa gcattttttt cactgcattc tagttgtggt ttgtccaaac tcatcaatgt 1620
124 atcttatcat gtctggatcg ggaattaatt cggcgagca ccatggcctg aaataacctc 1680
125 tgaaagagga acttggttag gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg 1740
126 tcagttaggg tgtggaaagt cccaggctc cccagcaggc agaagtatgc aagcatgcat 1800
127 ctcaattagt cagcaacca gtttt 1825
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130 <211> LENGTH: 353
131 <212> TYPE: PRT
132 <213> ORGANISM: Homo sapiens
134 <400> SEQUENCE: 2
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139 20 25 30
141 Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met Val Asp Thr
142 35 40 45
144 Ala Lys Lys Asn Phe Gly Gly Gly Asn Thr Ala Trp Glu Glu Lys Thr
145 50 55 60
147 Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu Leu Glu Ile Leu Glu
148 65 70 75 80
150 Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys Asn Gln Met Leu Glu Ala
151 85 90 95
153 Gln Glu Glu His Leu Glu Ala Trp Trp Leu Gln Leu Lys Ser Glu Tyr
154 100 105 110
156 Pro Asp Leu Phe Glu Trp Phe Cys Val Lys Thr Leu Lys Val Cys Cys
157 115 120 125
159 Ser Pro Gly Thr Tyr Gly Pro Asp Cys Leu Ala Cys Gln Gly Gly Ser
160 130 135 140
162 Gln Arg Pro Cys Ser Gly Asn Gly His Cys Ser Gly Asp Gly Ser Arg
163 145 150 155 160
165 Gln Gly Asp Gly Ser Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu
166 165 170 175
168 Cys Thr Asp Cys Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr
169 180 185 190
171 His Ser Ile Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly
172 195 200 205
174 Leu Thr Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp
175 210 215 220
177 Glu Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
178 225 230 235 240
180 Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr Cys
181 245 250 255
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184 260 265 270
186 Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His Gly Gln Cys

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## RAW SEQUENCE LISTING

DATE: 11/13/2002

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TIME: 15:40:47

Input Set : A:\CORRECTED SEQUENCE LISTING FROM GNE.P1618P2C8.txt

Output Set: N:\CRF4\11132002\I904011C.raw

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190          290          295          300
192 Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr Val Cys Val Cys Pro
193 305          310          315          320
195 Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys Val Pro Pro Ala Glu Ala
196          325          330          335
198 Glu Ala Thr Glu Gly Glu Ser Pro Thr Gln Leu Pro Ser Arg Glu Asp
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212 aacagccctg gctgaggagg ctgcagcgca gcagagtatc tgacggcgcc aggttgcgta 180
213 ggtgcggcac gaggaagttt cccggcagcg aggaggctct gagcagcatg gcccgaggga 240
214 ggccttcccc tgccgcccgc ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
215 gggcgagggc cgggcccgcg caggaggaga gcctgtacct atggatcgat gctcaccagg 360
216 caagagtact cataggattt gaagaagata tcctgattgt ttcagagggg aaaatggcac 420
217 cttttacaca tgatttcaga aaagcgcaac agagaatgac agctattcct gtcaatatcc 480
218 attccatgaa ttttacctgg caagctgcag ggcaggcaga atacttctat gaattcctgt 540
219 ccttgcgctc cctggataaa ggcacatgag cagatccaac cgtcaatgtc cctctgctgg 600
220 gaacagtgcc tcacaaggca tcagttgttc aagttgggtt cccatgtctt ggaaaacagg 660
221 atgggggtggc agcatttgaa gtggatgtga ttgttatgaa ttctgaaggc aacaccattc 720
222 tccaaacacc tcaaatgct atcttcttta aaacatgtea acaagctgag tgcccaggcg 780
223 ggtgccgaaa tggaggcttt tgtaatgaaa gacgcactct cgagtgtcct gatgggttcc 840
224 acggacctca ctgtgagaaa gccctttgta cccacgatg tatgaatggg ggactttgtg 900
225 tgactcctgg tttctgcata tgcccacctg gattctatgg agtgaactgt gacaaagcaa 960
226 actgctcaac cacctgcttt aatggaggga cctgtttcta ccctggaaaa tgtatttgcc 1020
227 ctccaggact agagggagag cagtgtgaaa tcagcaaatg cccacaaccc tgtcgaaatg 1080
228 gaggtaaatg catttgtaaa agcaaagtga agtgttccaa aggttaccag ggagacctct 1140
229 gttcaaagcc tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaacccaaca 1200
230 aatgccaatg tcaagaaggt tggcatggaa gacactgcaa taaaaggtag gaagccagcc 1260
231 tcatacatgc cctgaggcca gcaggcgccc agctcaggca gcacacgcct tcacttaaaa 1320
232 aggccgagga gcggcgggat ccacctgaat ccaattacat ctggtgaact ccgacatctg 1380
233 aaacgtttta agttacacca agttcatagc ctttgtaaac ctttcatgtg ttgaatgttc 1440
234 aaataatgtt cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
235 actgagctga tatttactct tccttttaag ttttetaagt acgtctgtag catgatggta 1560
236 tagattttct tgtttcagtg ctttgggaca gattttatat tatgtcaatt gatcaggtta 1620
237 aaattttcag tgtgtagttg gcagatatat tcaaaattac aatgcattta tgggtgtctg 1680
238 gggcagggga acatcagaaa ggttaaattg ggcaaaaatg cgtaagtcac aagaatttgg 1740
239 atgggtgcagt taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
240 ttgttacatt tttaaaaatt gctcttaatt tttaactct caatacaata taftttgacc 1860
241 ttaccattat tccagagatt cagtattaaa aaaaaaaaaa ttacactgtg gtagtggcat 1920
242 ttaaacaata taatatattc taaacacaat gaaataggga atataatgta tgaacttttt 1980
243 gcattggctt gaagcaatat aatatattgt aaacaaaaca cagctcttac ctaataaaca 2040

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## RAW SEQUENCE LISTING

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PATENT APPLICATION: US/09/904,011C

TIME: 15:40:48

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245 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggccgc gactctagag tcgacctgca 2160
246 gaagcttggc cgccatggcc caacttgttt attgcagctt ataatg 2206
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249 <211> LENGTH: 379
250 <212> TYPE: PRT
251 <213> ORGANISM: Homo sapiens
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257 Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
258 20 25 30
260 Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
261 35 40 45
263 Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
264 50 55 60
266 Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
267 65 70 75 80
269 Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
270 85 90 95
272 Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
273 100 105 110
275 Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
276 115 120 125
278 His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
279 130 135 140
281 Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
282 145 150 155 160
284 Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
285 165 170 175
287 Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
288 180 185 190
290 Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
291 195 200 205
293 Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
294 210 215 220
296 Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
297 225 230 235 240
299 Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
300 245 250 255
302 Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly Glu Gln
303 260 265 270
305 Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
306 275 280 285
308 Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr Gln Gly Asp Leu
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311 Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
312 305 310 315 320
314 His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/13/2002  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:13; N Pos. 33,37,80,94,144,188

Seq#:26; N Pos. 21

Seq#:50; N Pos. 61

Seq#:113; N Pos. 1461

Seq#:131; N Pos. 1837

Seq#:174; N Pos. 1683

Seq#:175; Xaa Pos. 539

Seq#:206; N Pos. 973,977,996,1003